

Computer che hanno fatto la storia

Ovvero

Le pietre miliari della storia dell'informatica
nella Svizzera Italiana

Con la collaborazione di:

>AS+ISI
Associazione
per la storia dell'informatica
della Svizzera italiana

Scuola universitaria professionale
della Svizzera italiana
SUPSI



ESoCoP
European Society
for Computer Preservation
www.esocop.org

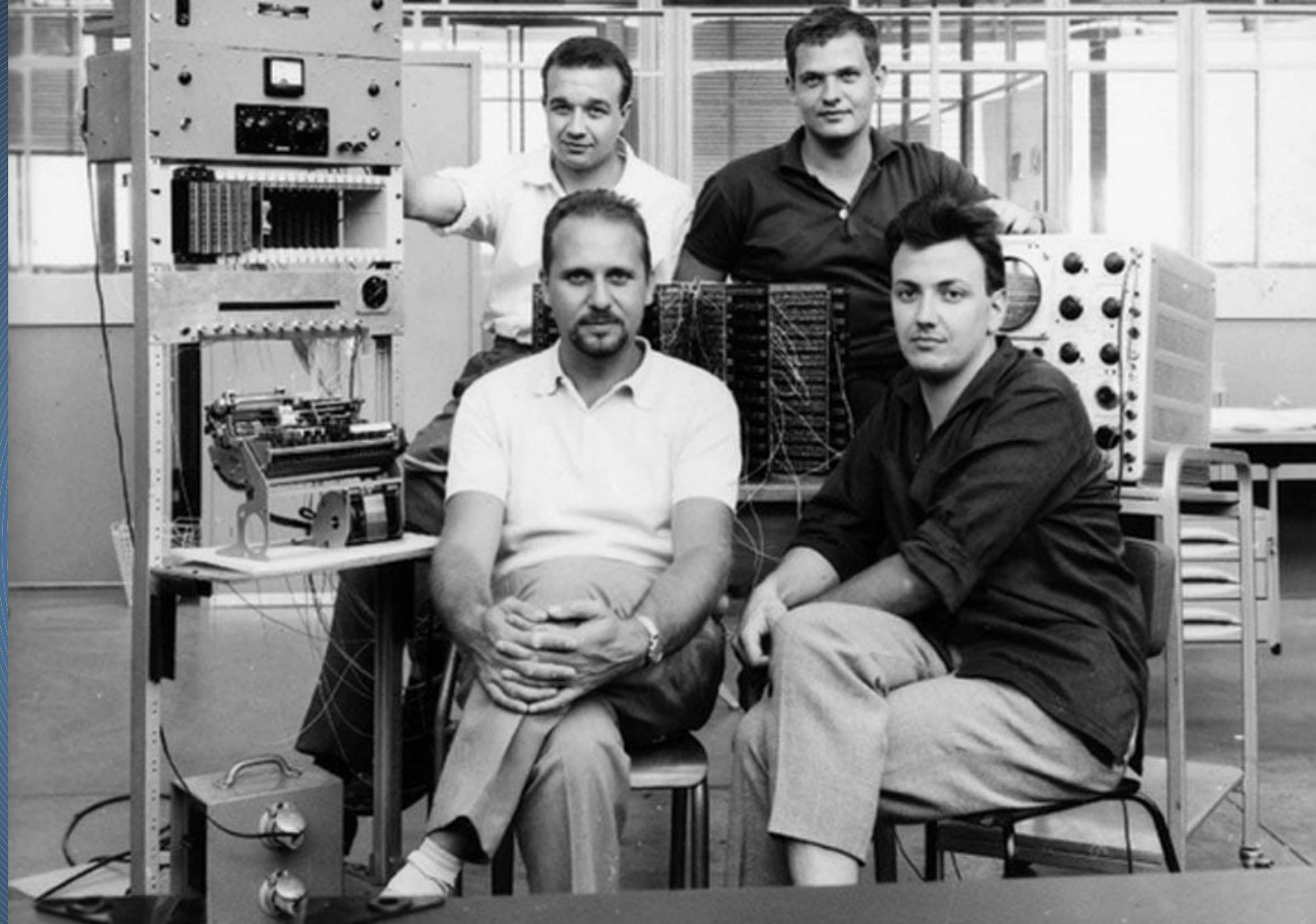
ated
ICT Ticino



"Computer da scrivania.
Lo vende Olivetti"
[Wall Street Journal - 1965]

Il gruppo di
progettisti della
Olivetti "P101":
Pier Giorgio Perotto,
Giovanni De Sandre
(seduti),
Gastone Garziera,
Giancarlo Toppi
(in piedi alle spalle)

[courtesy Gastone Garziera]

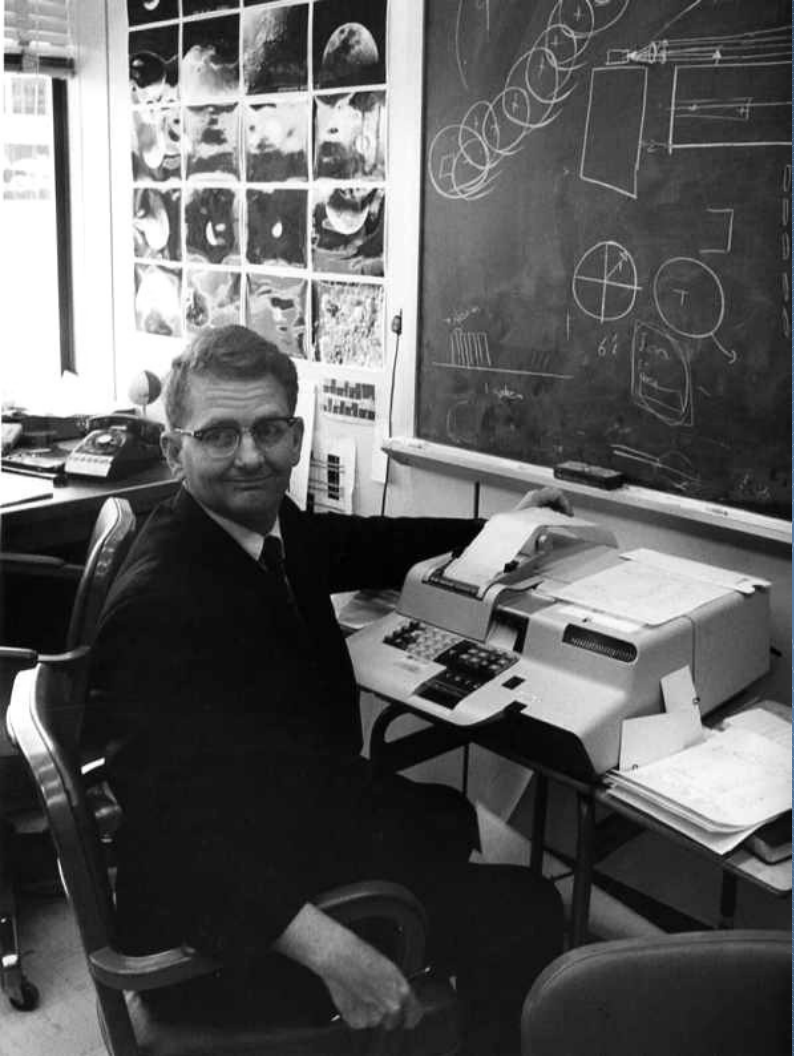


La programma 101 alla Fiera di New York nel 1965

Costava poco più di 3000\$

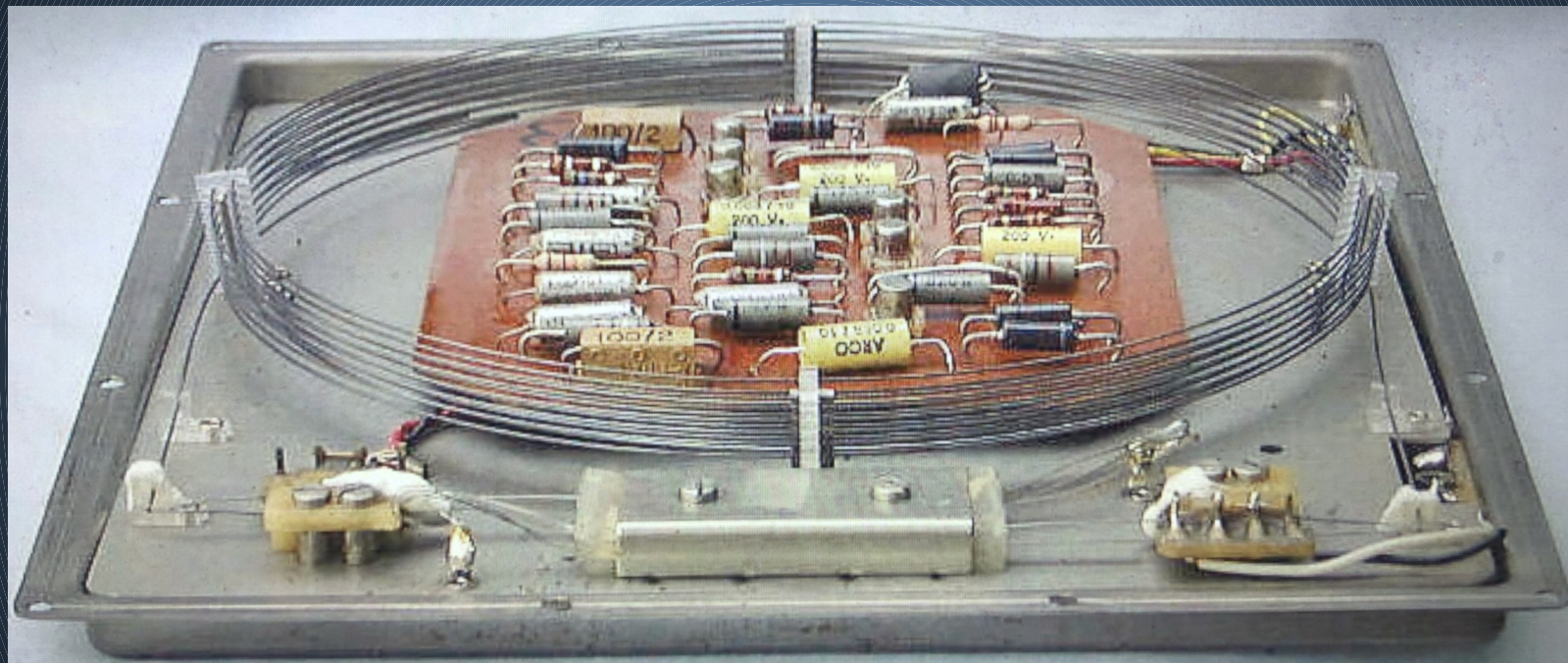
Ne vennero prodotte circa 44000





Tra i primi clienti ci fu la
NASA, che la usò per i calcoli
del volo dell'Apollo 11.

La memoria magnetostriittiva o a linea di ritardo



I moduli logici disposti in modo da consentire
un'elevata densità di componenti

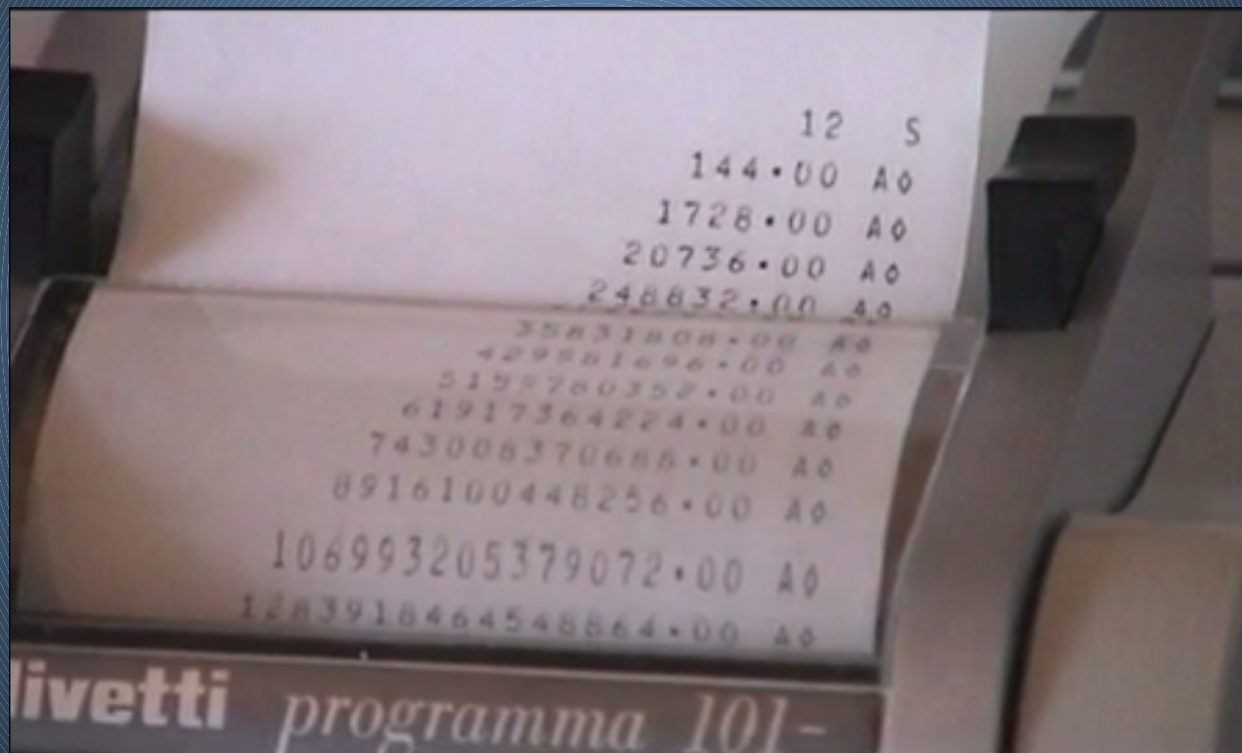


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KARTENNUMMER						
Bezeichnung						
MAGNETKARTE						
olivetti						
MAGNETKARTE						
Bezeichnung						
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KARTENNUMMER						

Le schede magnetiche

La stampante integrata a 30 colonne



Le ricadute successive



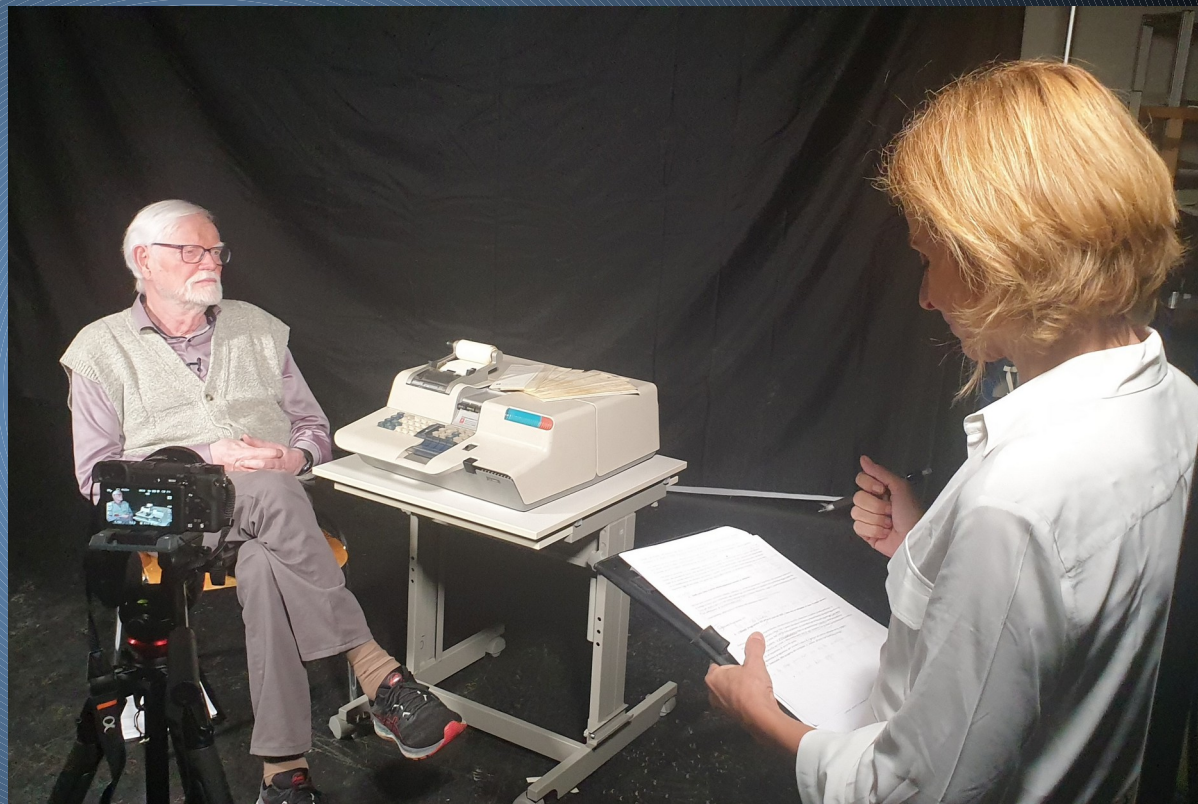
Hewlett-Packard 9100A



Olivetti P203

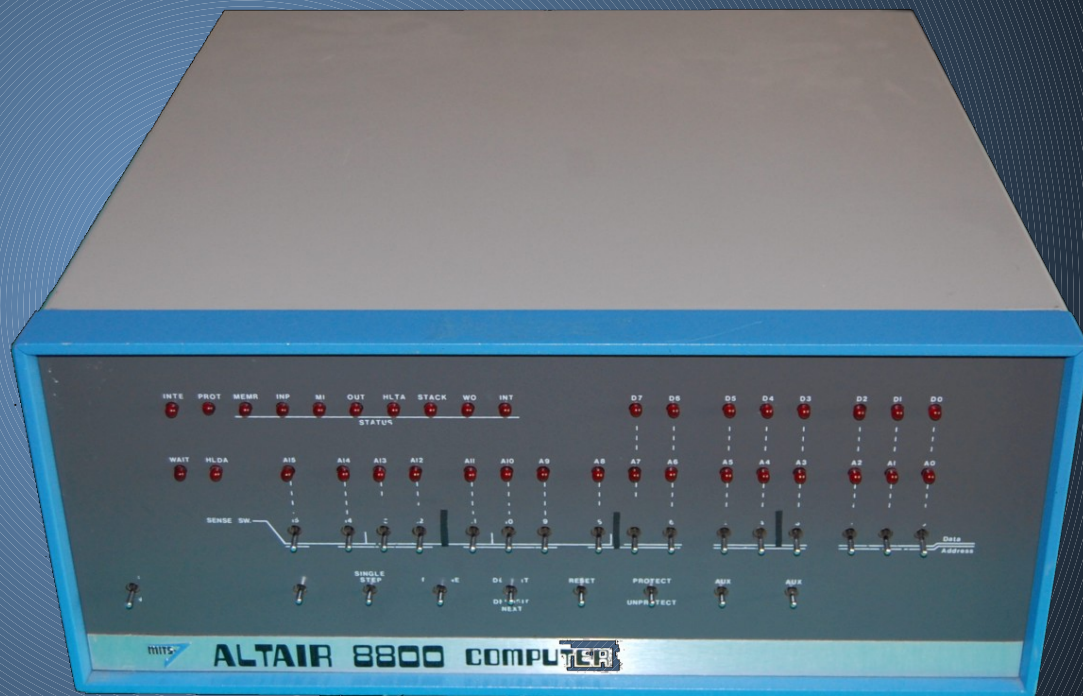
La Programma 101 in Canton Ticino

Il Prof. Zamboni ha
introdotta l'informatica
al liceo Cantonale nel '70
proprio con la Programma 101



Facciamo un salto di 10 anni

Altair: un computer in kit di montaggio ad un prezzo accessibile



PRICES:	
Altair Computer kit with complete assembly instructions	\$439
Assembled and tested Altair Computer	\$621
1,024 Word Memory Board	\$176 kit and \$209 assembled
4,096 Word Memory Board	\$264 kit and \$338 assembled
Full Parallel Interface Board	\$92 kit and \$114 assembled
Serial Interface Board (RS232)	\$119 kit and \$138 assembled
Serial Interface Board (TTL or TTY—teletype)	\$124 kit and \$146 assembled
Audio Cassette Interface Board	\$128 kit and \$174 assembled
4K BASIC language (when purchased with Altair, 4,096 words of memory and Interface Board)	\$60
8K BASIC language (when purchased with Altair, two 4,096 word memory boards and Interface Board)	\$75
COMTER II	\$780 kit
Teletype ASR-33	\$1500 (assembled only)

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Il papà dell'Altair: Ed Roberts

fondatore della Micro Instrumentation and Telemetry Systems (MITS)



La genesi dell'Altair

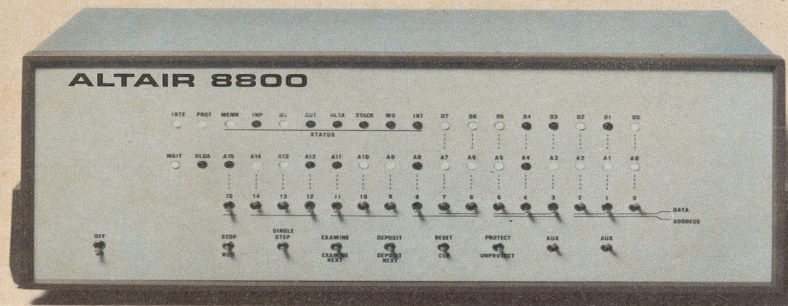
Popular Electronics

WORLD'S LARGEST-SELLING ELECTRONICS MAGAZINE JANUARY 1975/75¢

PROJECT BREAKTHROUGH!

World's First Minicomputer Kit to Rival Commercial Models...

"ALTAIR 8800" SAVE OVER \$1000



Quello che si vede in copertina è una foto fatta in MITS di una macchina di sviluppo, il prototipo che doveva essere usato per le foto della rivista, e che ricalcava quello che sarebbe andato in produzione, e' andato perduto nella spedizione

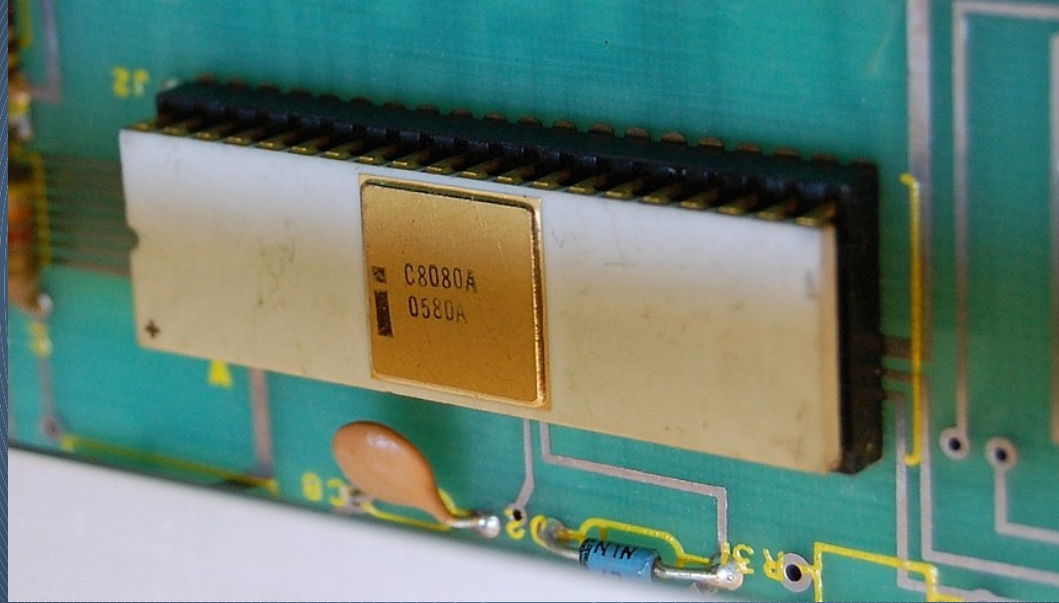


Il nome Altair

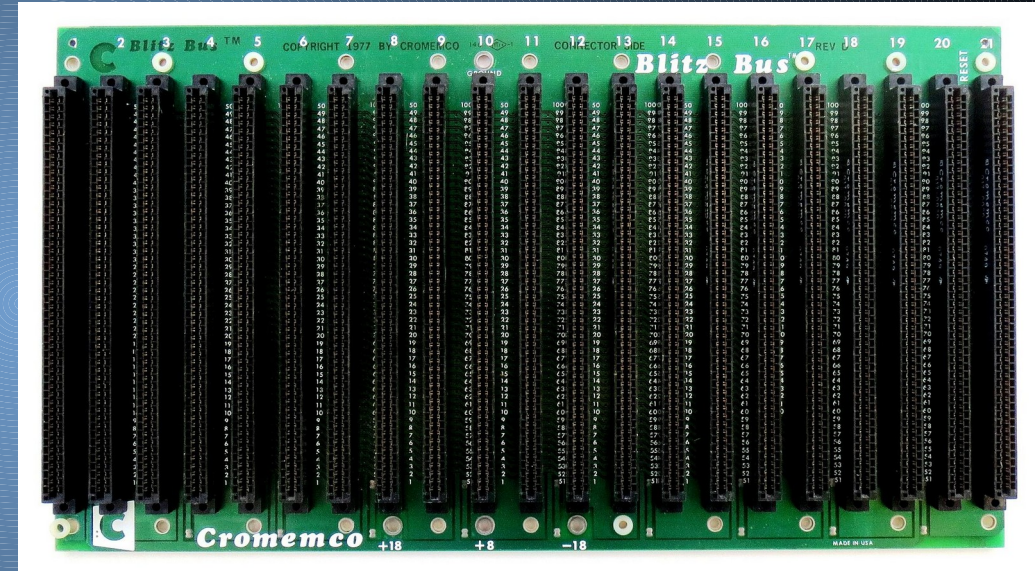
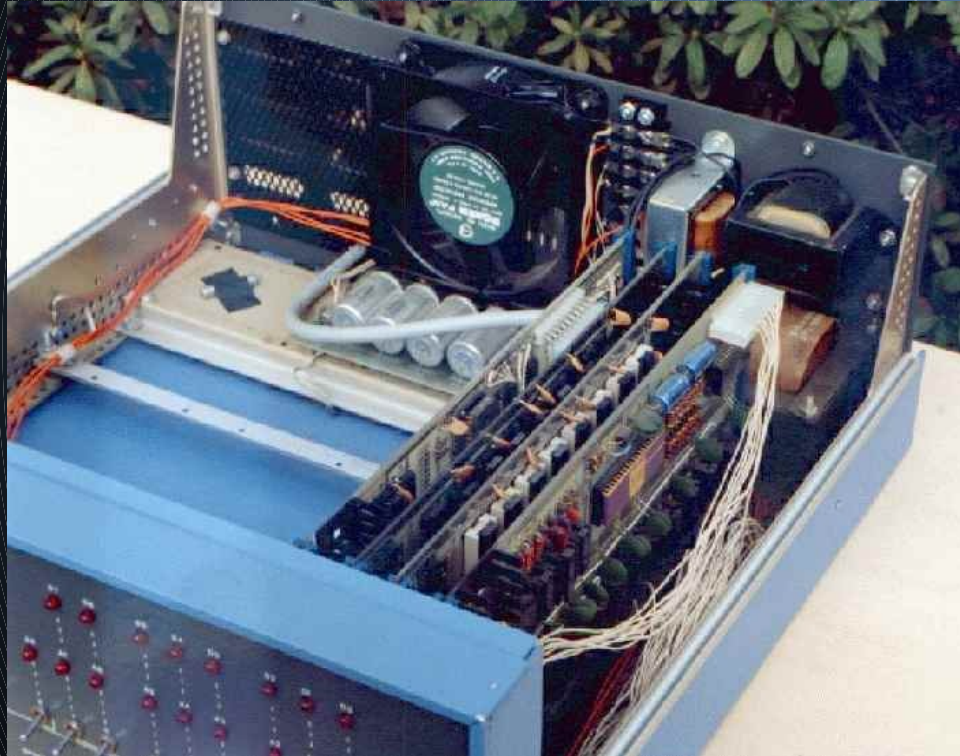
One explanation of the Altair name, which editor Les Solomon later told the audience at the first Altair Computer Convention (March 1976), is that the name was inspired by Les's 12-year-old daughter, Lauren. "She said why don't you call it Altair - that's where the Enterprise is going tonight." The Star Trek episode is probably "Amok Time", as this is the only one from The Original Series which takes the Enterprise crew to Altair (Six).

Milford, Annette (April 1976). "Computer Power of the Future - The Hobbyists". Computer Notes. Altair Users Group, MITS Inc.

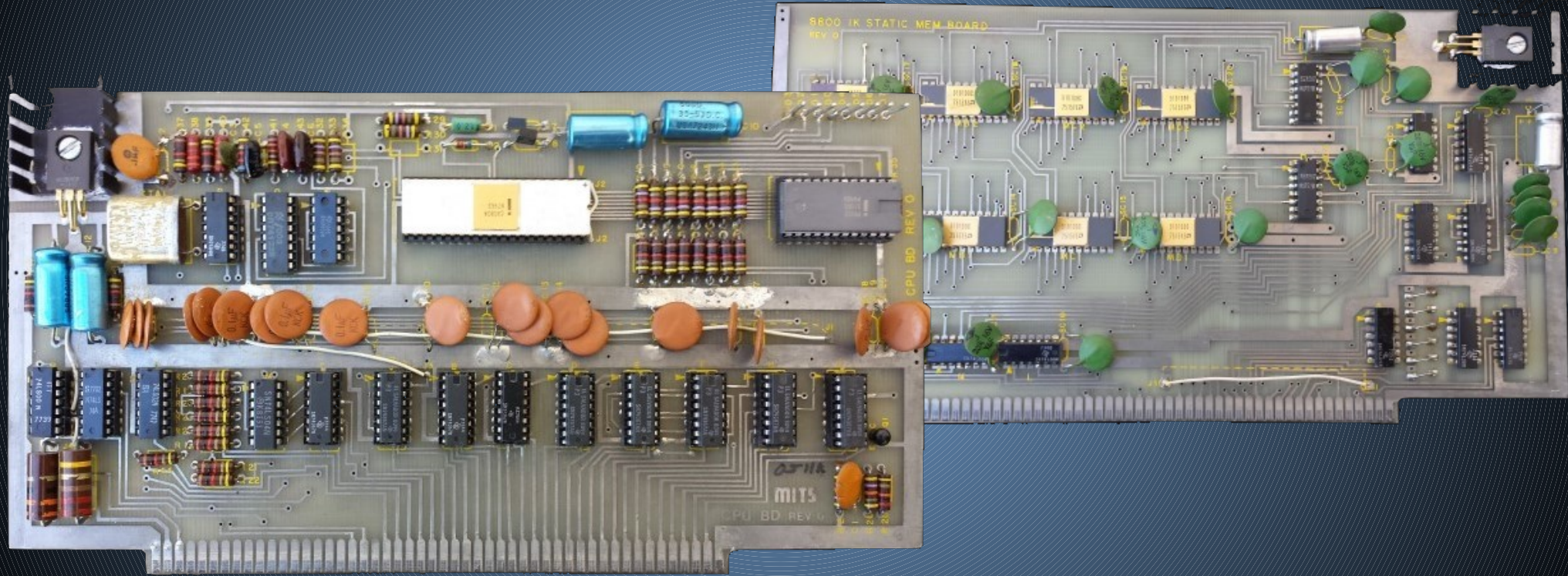
Caratteristiche principali: 1a CPU Intel 8080



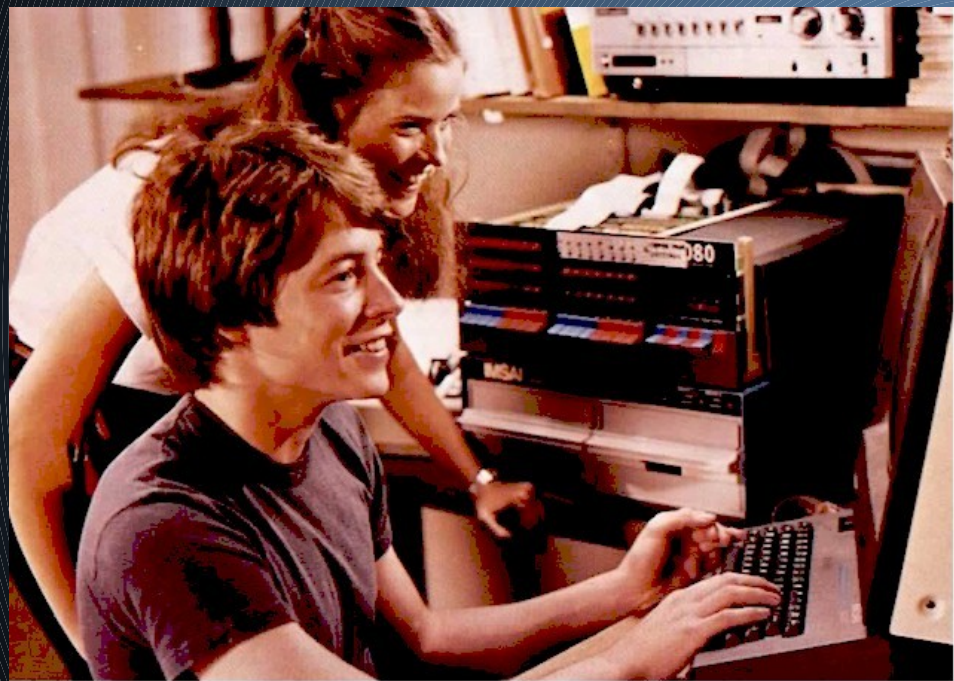
Caratteristiche principali: il bus S100



Caratteristiche principali: le schede



Il primo clone



Come e' nata la Micro-soft



In the Spring of 1975 I hired Paul Allen as Director of Software, and then part time ad first, a college student named Bill Gates.

Bill was about 19 years old when I put him on the payroll, but he had lots of computer experience and was wey bright.

Modern Electronics, October 1984
Intervista a Ed Roberts

Grazie!

sergio.gervasini@esocop.org